

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Mechanical Technician - CNC/CAM

2020

FANS-01255-Mechanical Engineering Technician - CNCCAM CVS Application (Title Modification)

Fanshawe College

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Ontario College Quality Assurance Service

Service de l'assurance de la qualité des
collèges de l'Ontario

Request for Program Title Modification

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| College: Fanshawe College |
| Current Approved Program Title: Mechanical Technician – CNC/CAM |
| Current APS Number: APS 01255 MTCU Code: MTCU 51007 Mechanical Engineering Technician |
| Proposed New Program Title: Mechanical Engineering Technician – CNC/CAM |
| Implementation Date (Start date of the cohort that will be taking the program with the new title): September 1 st , 2020 |
| Rationale for New Title: Per my email dated January 7 th , 2020 the Mechanical Technician – CNC/CAM program (APS 01255) should actually be called Mechanical Engineering Technician – CNC/CAM. Per the enclosed letter from 2011, Fanshawe agreed to align the program with the MTCU 51007 Mechanical Engineering Technician program standard, however, the appropriate program title change did not officially occur on our end nor did it occur with PFAAM. We hope to correct this error going forward. |
| Indicate Program Advisory Committee (PAC) and College Support for the title change: Please see enclosed letter dated June 14 th , 2011 |

Program Vocational Learning Outcomes

(please clearly indicate the proposed modifications- where applicable):

Please note, two additional PVLOs (#'s 13 and 14) have been added specific to the study of CNC/CAM:

1. complete all work in compliance with current legislation, standards, regulations and guidelines
2. apply quality control and quality assurance procedures to meet organizational standards and requirements
3. comply with current health and safety legislation, as well as organizational practices and procedures
4. apply sustainability best practices in workplaces
5. use current and emerging technologies to support the implementation of mechanical engineering projects
6. interpret, prepare and modify mechanical engineering drawings and other related technical documents
7. contribute to the design and the analysis of mechanical components, processes and systems applying fundamentals of mechanical engineering
8. manufacture, assemble, maintain and repair mechanical components according to required specifications
9. verify the specifications of materials, processes and operations to support the design and production of mechanical components
10. contribute to the planning, implementation and evaluation of projects
11. develop strategies for ongoing personal and professional development to enhance work performance
12. analyze and solve mechanical problems by applying mathematics and fundamentals of mechanical engineering
13. Using computerized numerical control (CNC) and computer aided manufacturing (CAM) software, contribute to the design, manufacture and repair of mechanical components, parts and tools
14. Solve routine organizational and technical problems relating to CNC and CAM machining processes using a variety of systematic approaches

Submission Date:

January 14, 2020



OFFICE OF THE PRESIDENT

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www.fanshawec.ca

June 14, 2011

Joanne Brown
Manager
Colleges Unit
Postsecondary Accountability Branch
Ministry of Training, Colleges and Universities
9th Floor, Mowat Block
900 Bay Street
Toronto, ON M7A 1L2

Dear Ms. Brown,

Fanshawe College confirms that the program standard for the Mechanical Engineering Technician – CNC/CAM Program (APS# 01255; MTCU Code 51007) will be fully implemented for all students entering the first semester of the program in September 2012.

Full implementation ensures that the curriculum provided allows graduates to meet or exceed the vocational standard and the essential employability skills standard. It also involves the provision of the requisite courses to comply with the general education requirement.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Dr. Howard Rundle'.

Dr. Howard Rundle, President
Fanshawe College

/tg